

SEP 10 2007

Docket No. F-8691

Ser. No. 10/536,740

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1.(Currently Amended) A seat ring assembly for a butterfly valve comprising:
a ~~hollow cylindrical~~ tubular body portion [[with]] defining a valve body axis along a tubular direction of the tubular body portion, the tubular body portion having two side flange surfaces disposed at opposing body portion ends, said tubular body portion having at least one stem through hole extending in a radial direction of said tubular body portion and defining a stem axis;

an outer circumference portion of said tubular body portion being formed having an elliptic shape taken in a plane perpendicular to said valve body axis with a stem axial direction as [[its]] a longitudinal axis of said elliptic shape;

an inner circumference portion of said body portion being formed having a circular shape taken in the plane perpendicular to said valve body axis and a constant radius;

an annular protrusion protruding radially outwardly from an axial center of said outer circumference portion of said body portion;

a valve plug body defining a circular through valve body opening, said tubular body portion being installed in said circular through valve body opening in a

Docket No. F-8691

Ser. No. 10/536,740

compressed state such that said outer circumference portion is compressed at areas intersected by said longitudinal axis of said elliptic shape such that said inner circumference portion is deformed from said circular shape to an elliptic shape; and

wherein a ratio of a first thickness dimension of the body portion from the inner circumference portion to the outer circumference portion in the stem axial direction to the thickness dimension in the direction perpendicular to the stem axis from the inner circumference portion to the outer circumference portion is 1.01:1 to 2:1.

2.(Canceled)

3.(Canceled)

4. (Currently Amended) The seat ring assembly for a butterfly valve according to claim 1, said annular protrusion having a rectangular sectional shape.

5. (Currently Amended) The seat ring assembly for a butterfly valve according to claim 1, further comprising wherein said at least one stem through hole includes two stem through-holes, each of said through-hole stem through holes having on a periphery portion a [[shape]] boss portion.

Docket No. F-8691

Ser. No. 10/536,740

6. (Currently Amended) The seat ring assembly for a butterfly valve according to claim 1, further comprising a lug portion on an upper end of each flange surface.

7. (Currently Amended) The seat ring assembly for a butterfly valve according to claim 1, wherein said ~~seat ring~~ tubular body is made of at least one of EPDM, NBR or PVDF.

8. (Currently Amended) The seat ring assembly for a butterfly valve according to claim 1, ~~further comprising~~ wherein said at least one stem through hole includes two stem through-holes, each of said stem through-holes having a ring.